

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120920\
 Data File : VN065022.D
 Acq On : 9 Dec 2020 15:50
 Operator : JC/MD
 Sample : PB133472ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133472ZHE#03

Quant Time: Dec 10 04:42:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	164903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	312561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	331228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136758	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	106649	55.63	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	111.26%
35) Dibromofluoromethane	7.55	113	99121	53.00	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.00%
50) Toluene-d8	10.06	98	402315	52.65	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.30%
62) 4-Bromofluorobenzene	12.38	95	147940	54.09	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.18%

Target Compounds

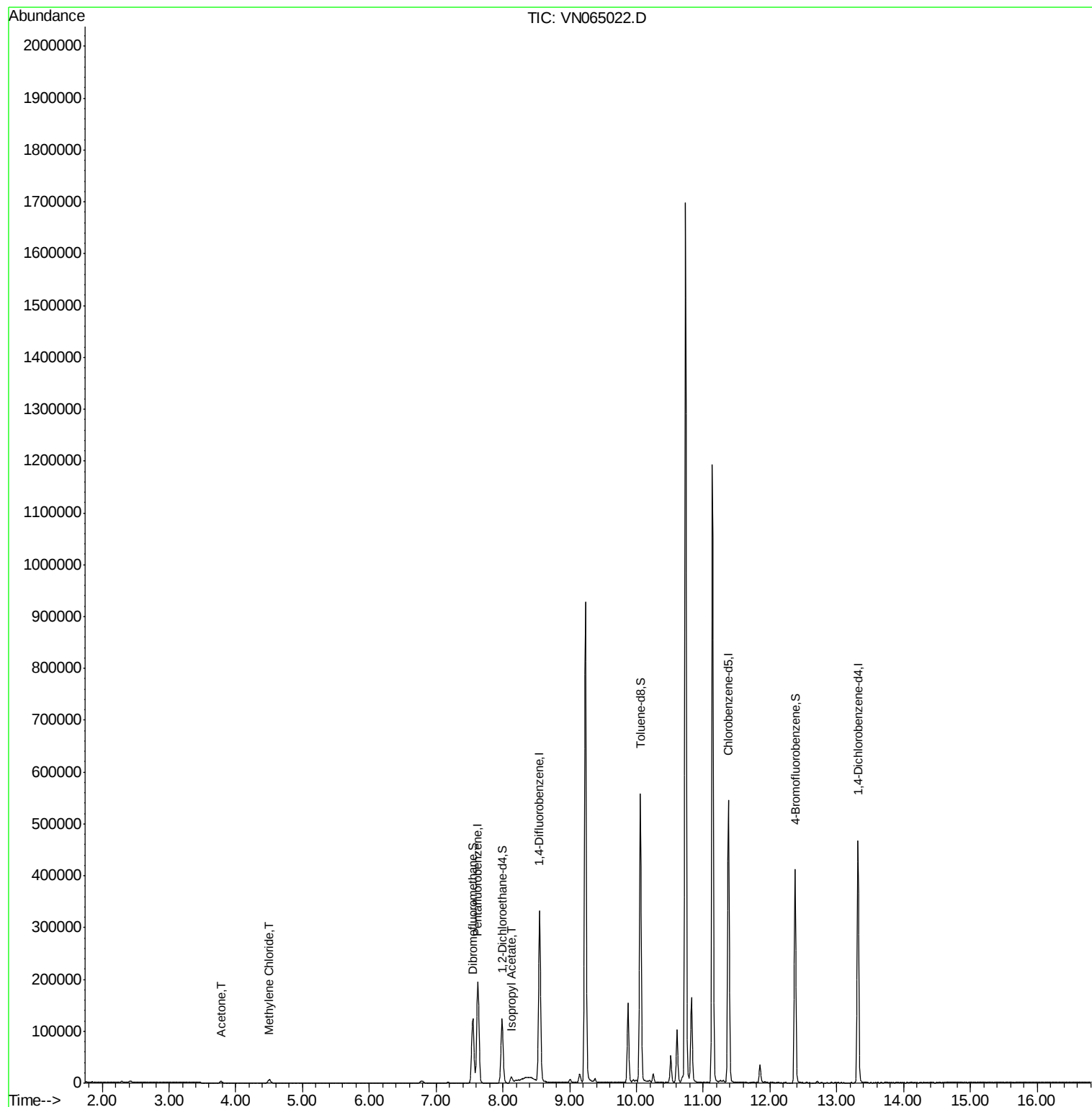
					Qvalue
16) Acetone	3.78	43	5918	9.391	ug/l 98
20) Methylene Chloride	4.51	84	5247	2.657	ug/l 89
43) Isopropyl Acetate	8.13	43	16087	3.582	ug/l 95

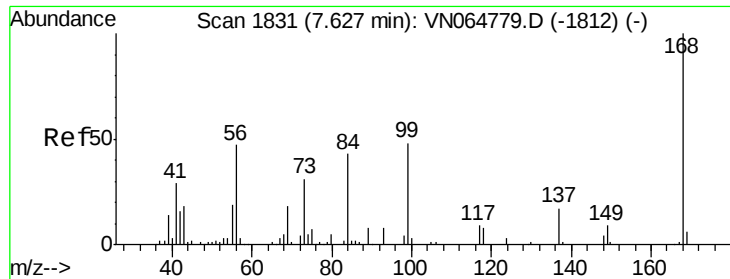
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN065022.D

Acq: 9 Dec 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

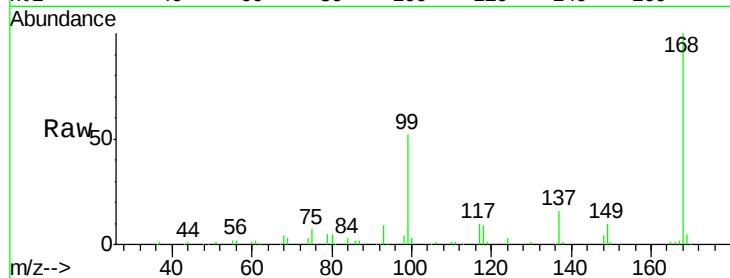
PB133472ZHE#03

Tot Ion:168 Resp: 164903

Ion Ratio Lower Upper

168 100

99 51.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

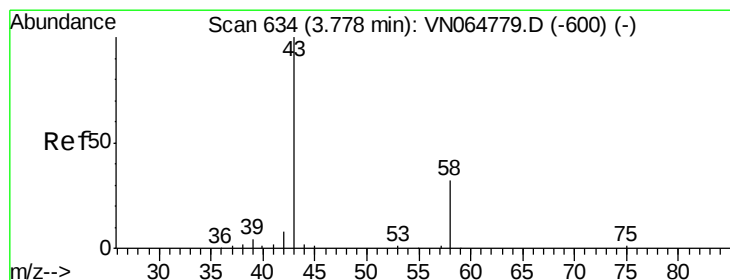
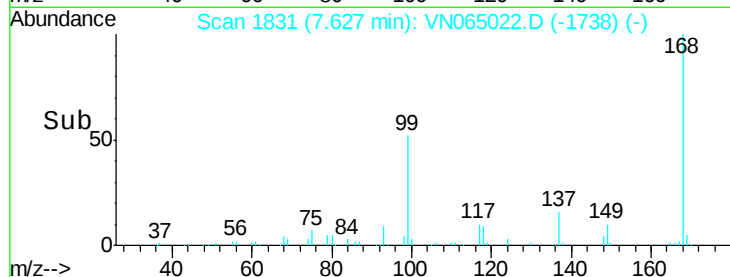
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 9.391 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN065022.D

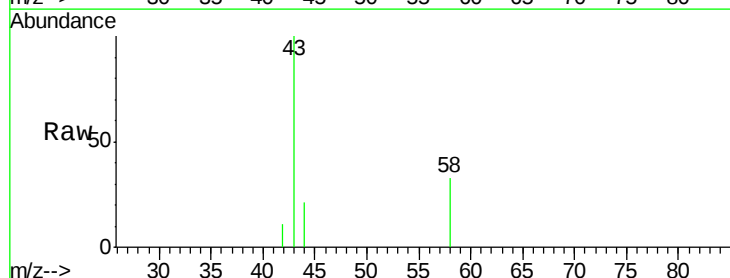
Acq: 9 Dec 2020 15:50

Tgt Ion: 43 Resp: 5918

Ion Ratio Lower Upper

43 100

58 33.0 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

2500

2000

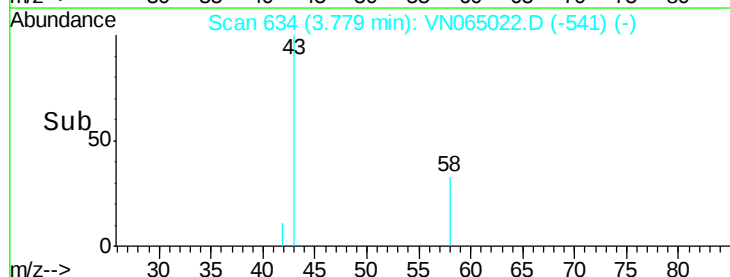
1500

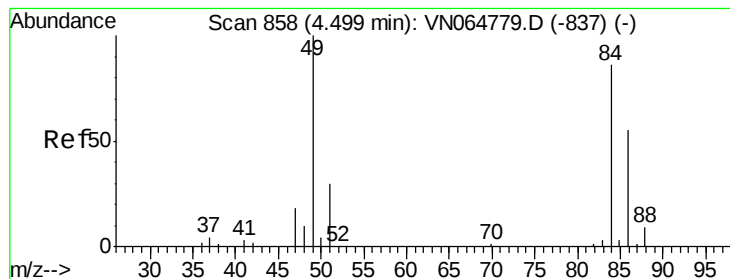
1000

500

0

Time--> 3.70 3.75 3.80 3.85





#20

Methvlene Chloride

Concen: 2.657 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN065022.D

Acq: 9 Dec 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

PB133472ZHE#03

Tot Ion: 84 Resp: 5247

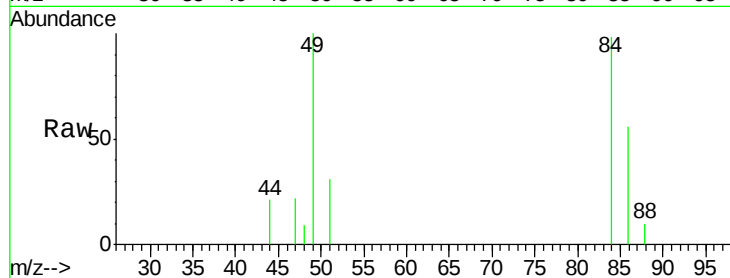
Ion Ratio Lower Upper

84 100

49 102.5 93.4 140.0

51 32.0 28.2 42.4

86 57.3 51.7 77.5

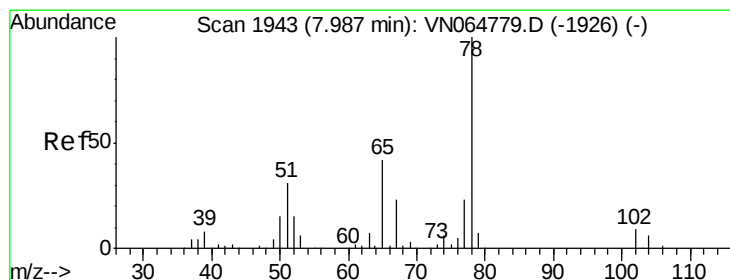
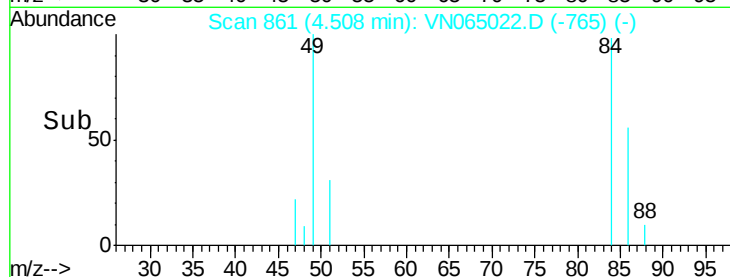
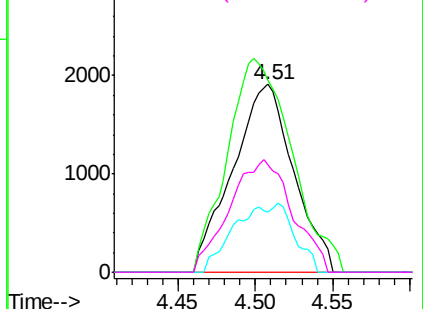


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 55.630 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN065022.D

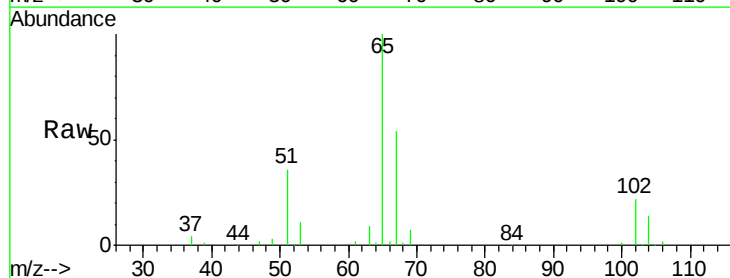
Acq: 9 Dec 2020 15:50

Tgt Ion: 65 Resp: 106649

Ion Ratio Lower Upper

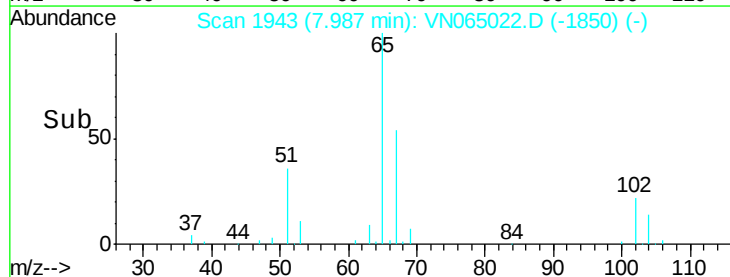
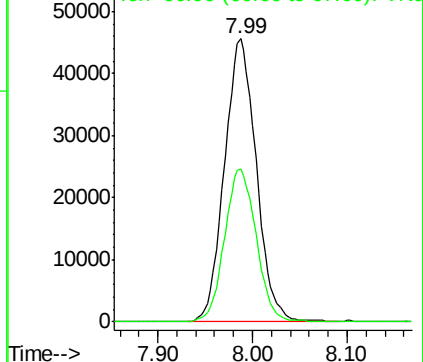
65 100

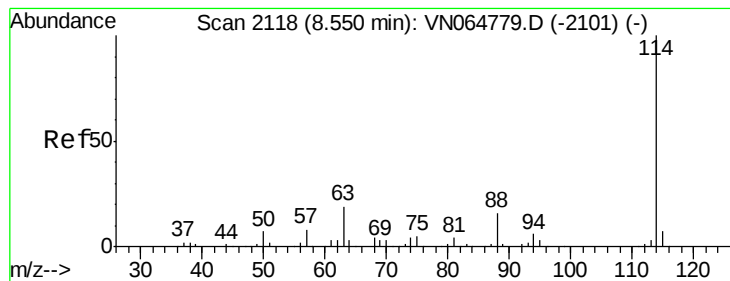
67 53.5 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN065022.D

Acq: 9 Dec 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

PB133472ZHE#03

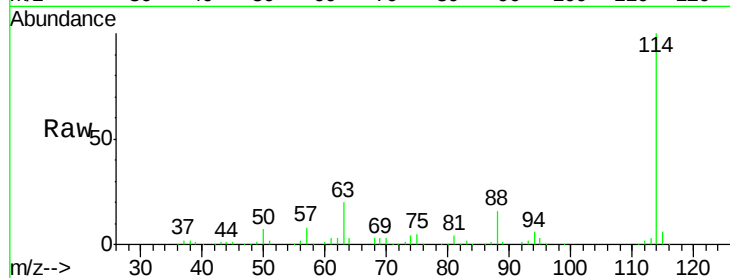
Tot Ion:114 Resp: 312561

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.6

88 15.6 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN

200000

150000

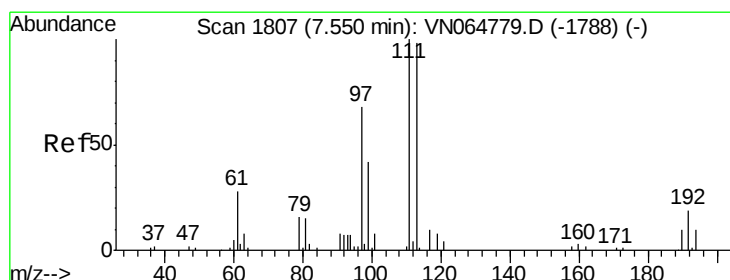
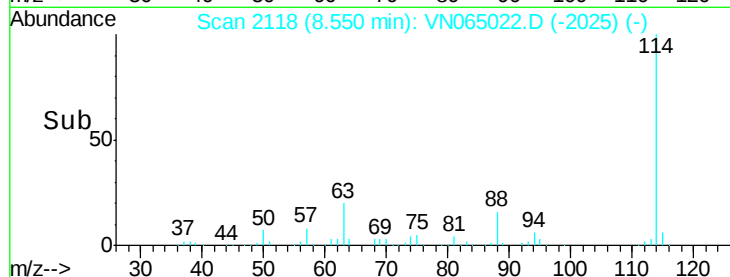
100000

50000

0

8.45 8.50 8.55 8.60 8.65

Time-->



#35

Dibromofluoromethane

Concen: 52.998 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN065022.D

Acq: 9 Dec 2020 15:50

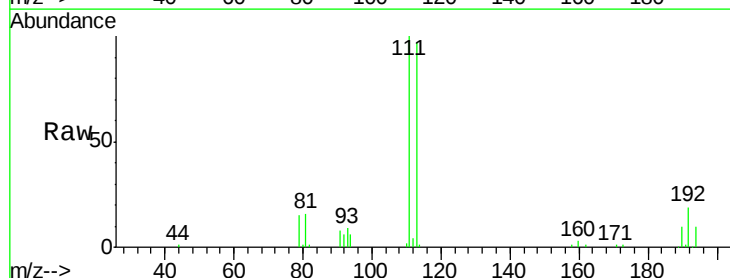
Tgt Ion:113 Resp: 99121

Ion Ratio Lower Upper

113 100

111 101.4 81.6 122.4

192 19.6 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

50000

40000

30000

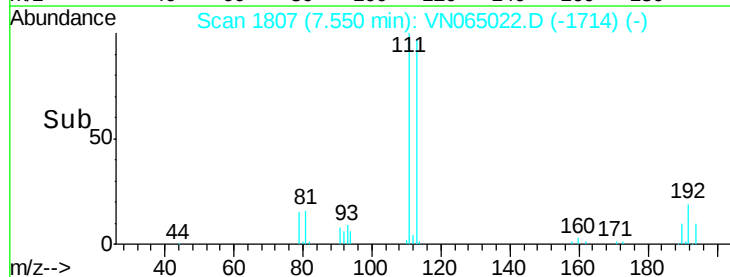
20000

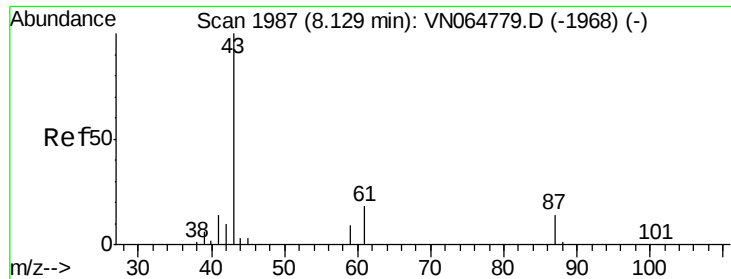
10000

0

7.50 7.55 7.60

Time-->





#43

Isopropyl Acetate

Concen: 3.582 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN065022.D

Acq: 9 Dec 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

PB133472ZHE#03

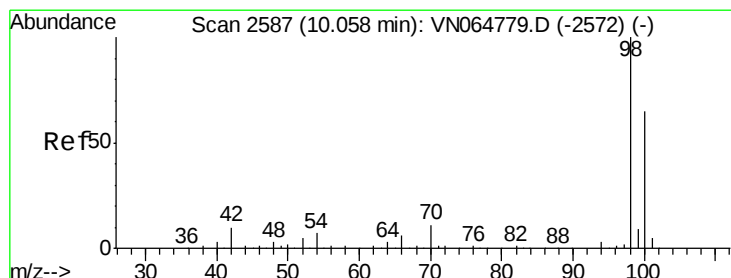
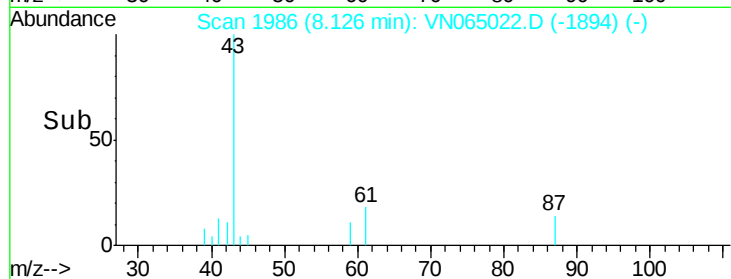
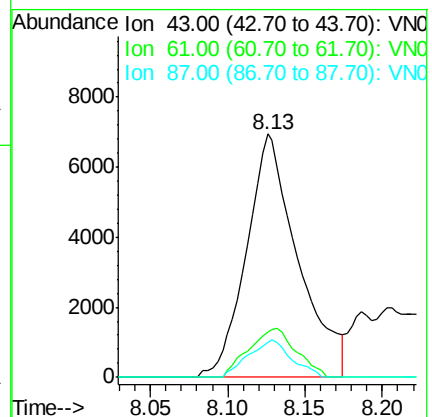
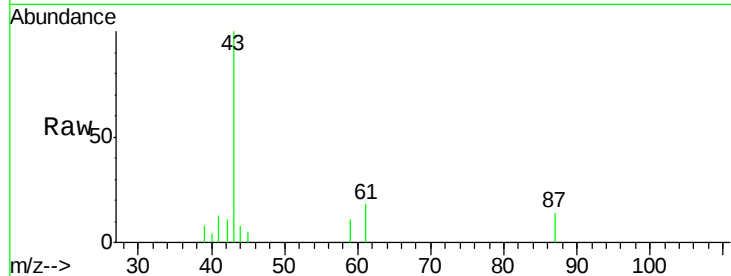
Tot Ion: 43 Resp: 16087

Ion Ratio Lower Upper

43 100

61 18.5 17.2 25.8

87 12.8 11.4 17.0



#50

Toluene-d8

Concen: 52.647 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN065022.D

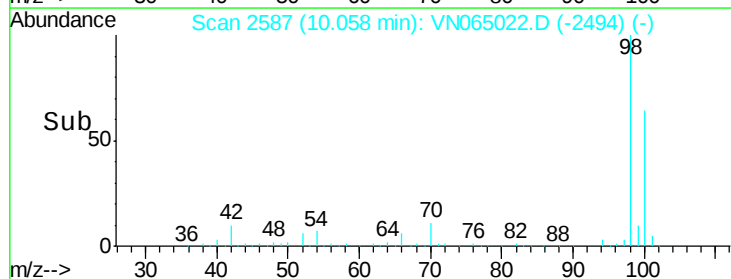
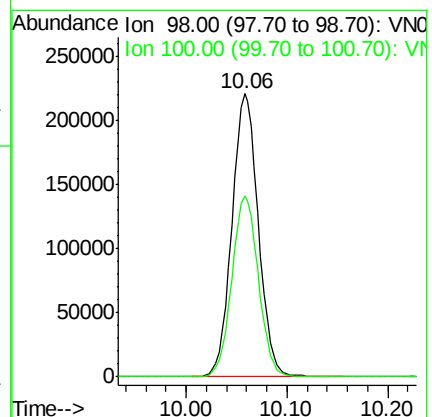
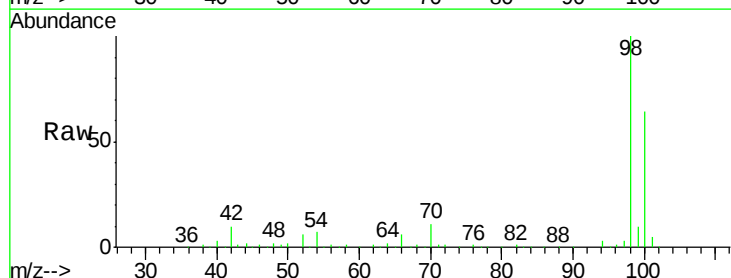
Acq: 9 Dec 2020 15:50

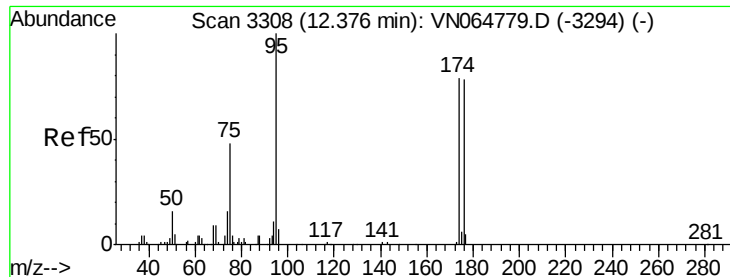
Tgt Ion: 98 Resp: 402315

Ion Ratio Lower Upper

98 100

100 64.4 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 54.095 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN065022.D

Acq: 9 Dec 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

PB133472ZHE#03

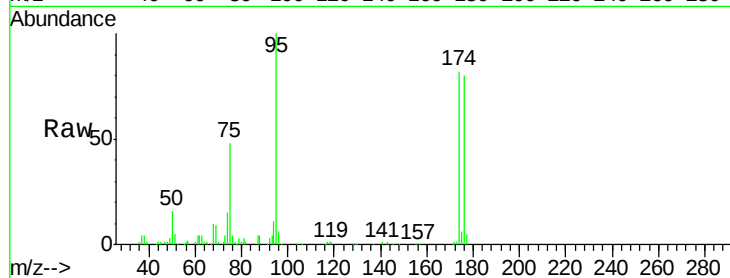
Tot Ion: 95 Resp: 147940

Ion Ratio Lower Upper

95 100

174 82.6 0.0 160.4

176 79.2 0.0 158.4



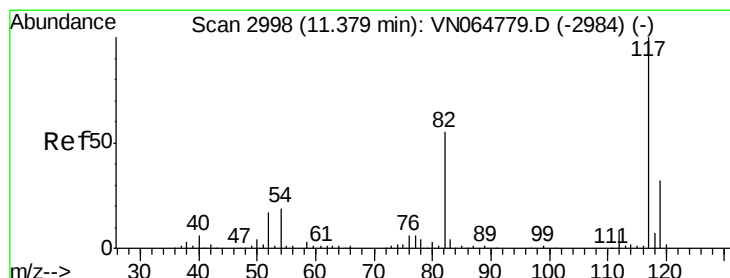
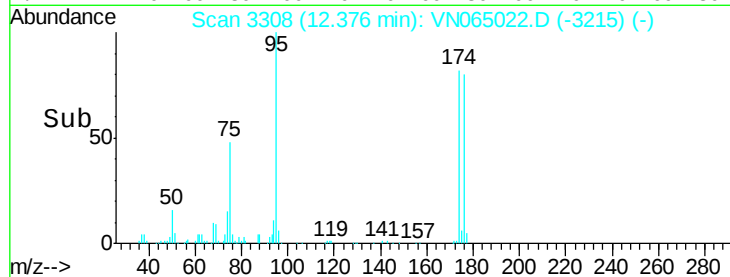
Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064779.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064779.D (-3294) (-)

12.38

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN065022.D

Acq: 9 Dec 2020 15:50

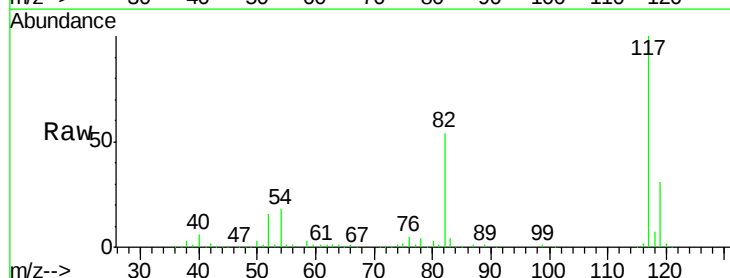
Tgt Ion: 117 Resp: 331228

Ion Ratio Lower Upper

117 100

82 54.0 44.2 66.2

119 31.5 25.8 38.6



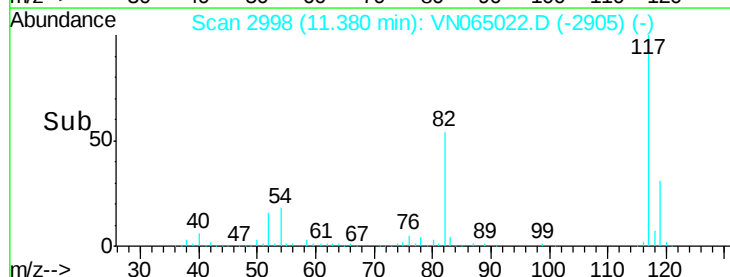
Abundance Ion 116.90 (116.60 to 117.60): VN064779.D (-2984) (-)

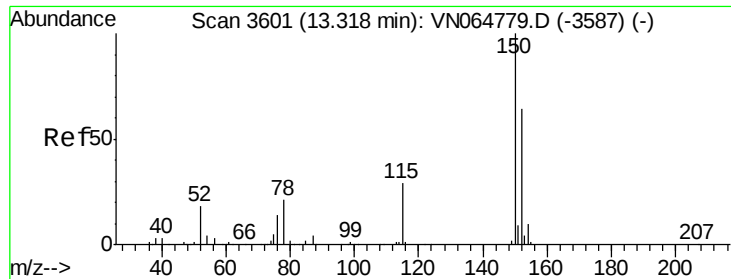
Ion 82.00 (81.70 to 82.70): VN064779.D (-2984) (-)

Ion 118.90 (118.60 to 119.60): VN064779.D (-2984) (-)

11.38

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN065022.D

Acq: 9 Dec 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

PB133472ZHE#03

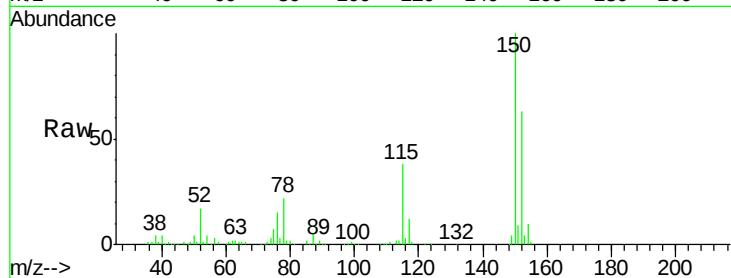
Tot Ion:152 Resp: 136758

Ion Ratio Lower Upper

152 100

115 58.9 29.7 89.1

150 157.0 0.0 350.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

